Every Software testing process is broken down into several steps, and before heading towards testing it has to have:

- **Test Case ID**: every test case has a unique Alphanumeric key (i.e. TS-1,TS-2)
- **Test Objective**: Before writing test it is necessary to be aware of the end goal (i.e. to-verify user is able to login with valid credentials)
- **Pre-Conditions**: pre-defined constraints/rule/environment that should be obeyed before start of testing.
  For example: Test environment should be setup
- **Test Data**: Data created or selected to satisfy the execution preconditions and input content required to execute one or more test cases
- **Expected Result**: before testing anything we have predefined/anticipated results. the result that should happen after a test case is executed properly. If the value received after the test matches the expected result, we can consider the test case a success.
- **Actual Result**: This is the outcome or output that is obtained when the test case is executed on the software or system under test. It represents the real behaviour or response of the software when the test is performed.
- **Determination of status**: If all steps get successfully executed then the test case will be marked "passed" otherwise "failed".

Scenario: Test conditions for login page

Firstly, above are standards that every test case has to comply with. For instance, on a login web page, that generally contains an email/user_neme/phone and password field to authenticate the user.

- We will assign a test case Id to every test followed by a feature name. For example, Login-TC-01 (and in general it goes "Feature"-TC-01)
- It is the objective/summary of what we are actually testing so in our case (To verify user is able to login with valid credentials or To verify user is able to click on login button on login web page
- In the webpage scenario, User should have internet connectivity and a web browser on the machine. Also have a proper working environment
- This can be a combination of the username/email/phone and password fields.
  - Minimum possible valid credentials combinations could be:
    - A valid username and valid password
  - Invalid login credentials:
    - Invalid username and invalid password or Valid username and invalid password or Invalid username and valid password.

- These are the execution steps and expected results along with actual results should be written against each step. It can be
    - Navigate to a login page url in a web browser
    - Click on username/ email field/textbox
    - Type the test data in the username/email field/textbox
    - Click on Password field/textbox
    - Type the test data in the password field/textbox
    - Click on Singup/Login button
- If user follow the above mentioned steps then following could be the expected results:
    - User should navigated to login page successfully
    - User should be able to click on username/email textbox
    - User should be able to type username in the textbox
    - User should be able to click on password textbox
    - User should be able to type password in the textbox
    - User should be able to click on Login/Sign Up button
    - User should be navigated to welcome page after clicking login button
    - User should be able to see error message on unsuccessful login
- On the execution of above mentioned test steps, if test steps run successfully then it means, they run "As Expected " otherwise any of the following could be the reason of failure:
    - User is not able to navigate to login page
    - User is not able to click on username/email textbox
    - User is not able to type username in the textbox
    - User is not able to click on password textbox
    - User is not able to type password in the textbox
    - User is not able to click on Login/Sign Up button
    - User is not navigated to welcome page after clicking login button
    - User is not able to see error message on unsuccessful login
- Test will mark "passed" if it run every step successfully otherwise "failed"

You can use the above login example to modify test cases as per need.
Means on the Signup/registration page we will be testing according to the field available there.